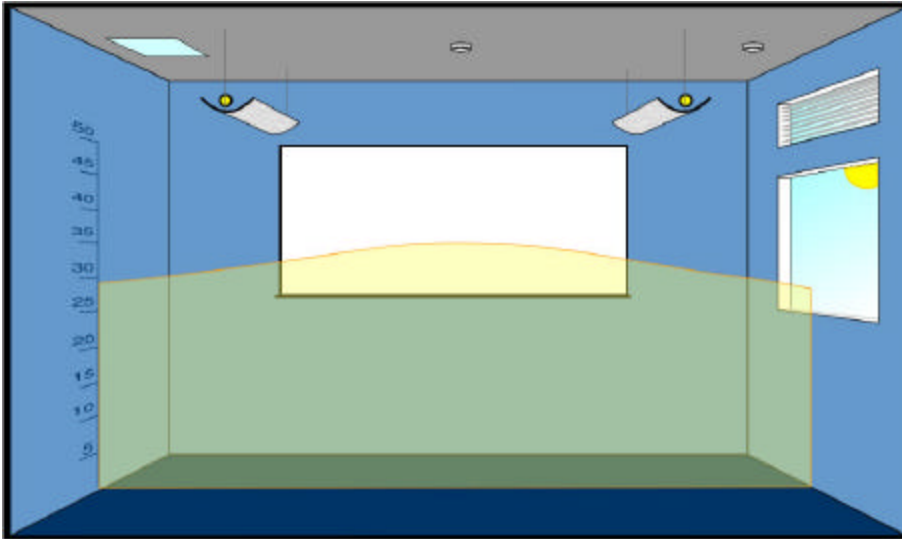
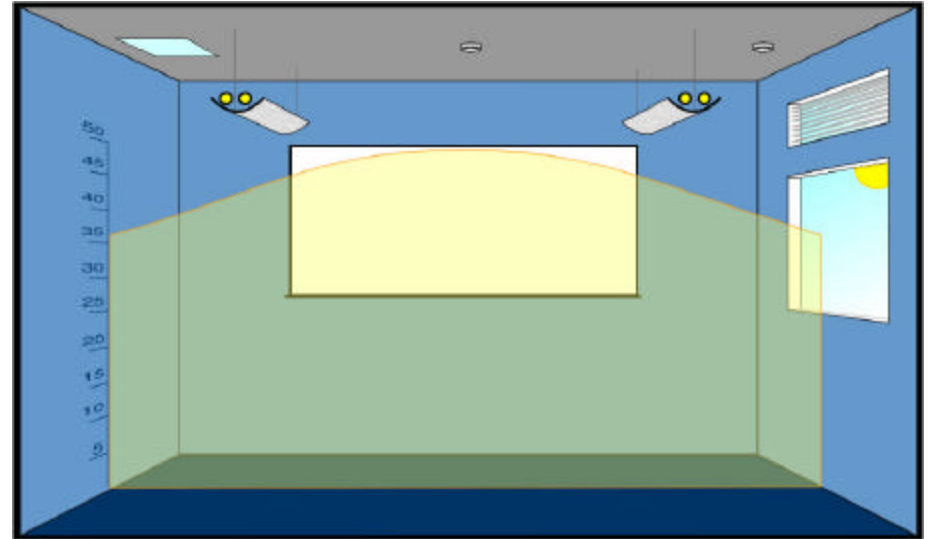


Lighting Alternatives



1 lamp, T5-HO

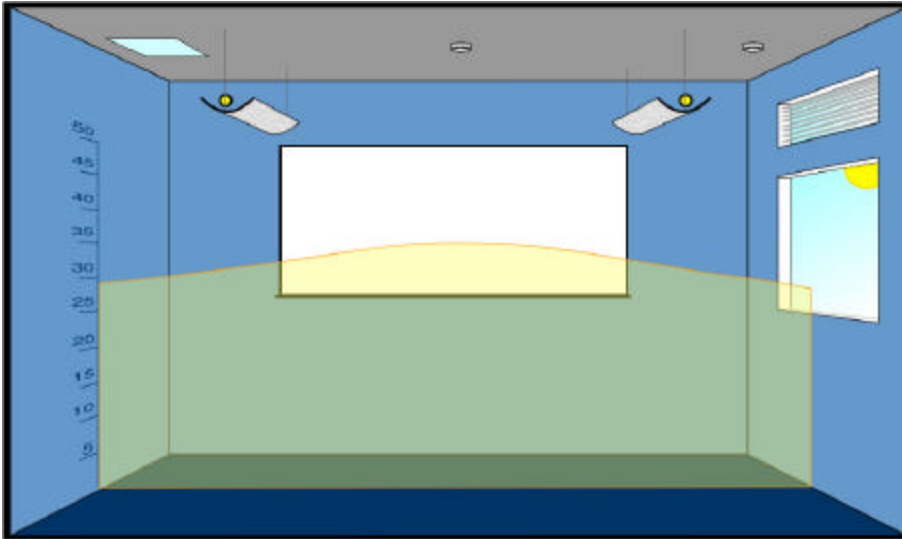
Average
Illuminance: 33 FC



2 lamp, T8

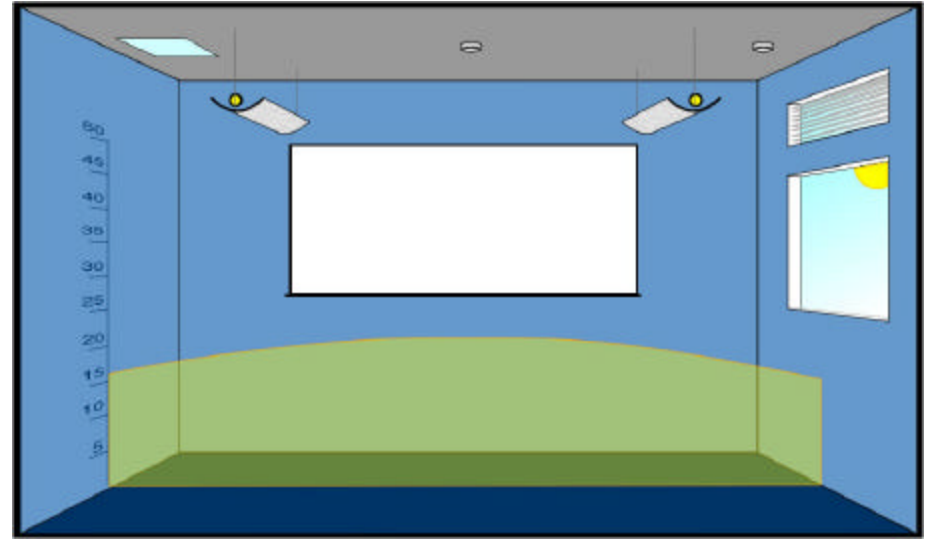
Average
Illuminance: 45 FC

Lighting Control Systems: T5 HO Dimming



1 lamp, T5-HO

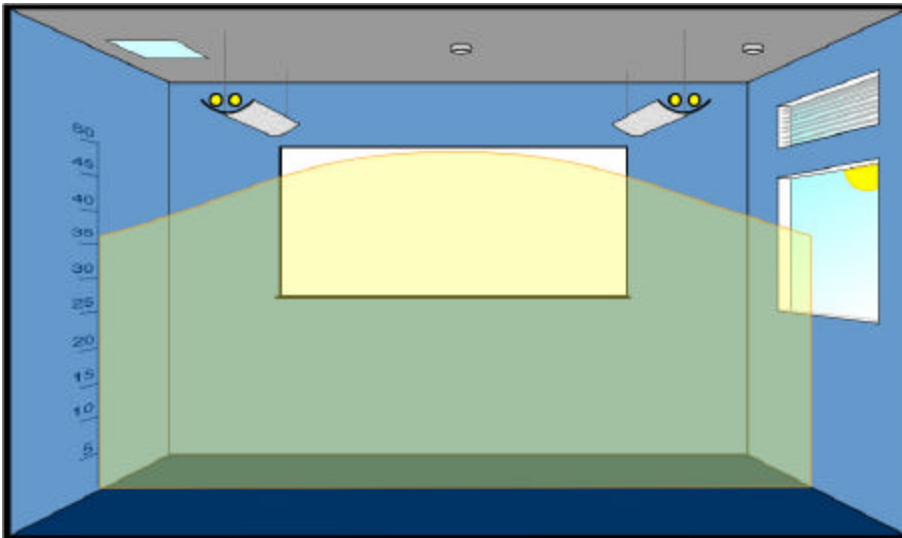
Full-on Average
Illuminance: 33 FC



1 lamp, T5-HO

50% Dimming Avg
Illuminance: 18 FC

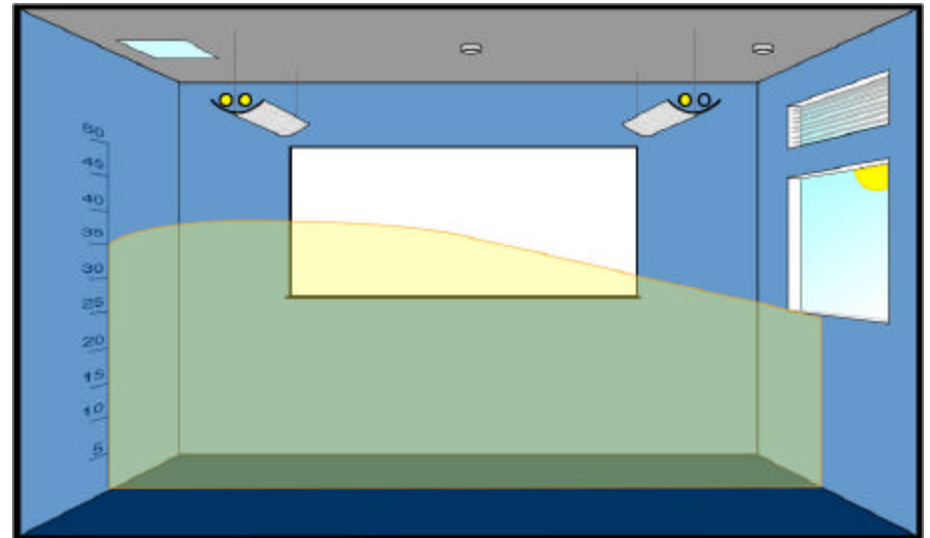
Lighting Control Systems: T8 Stepped Control



2 lamp, T8 OO-OO

Average

Illuminance: 45 FC

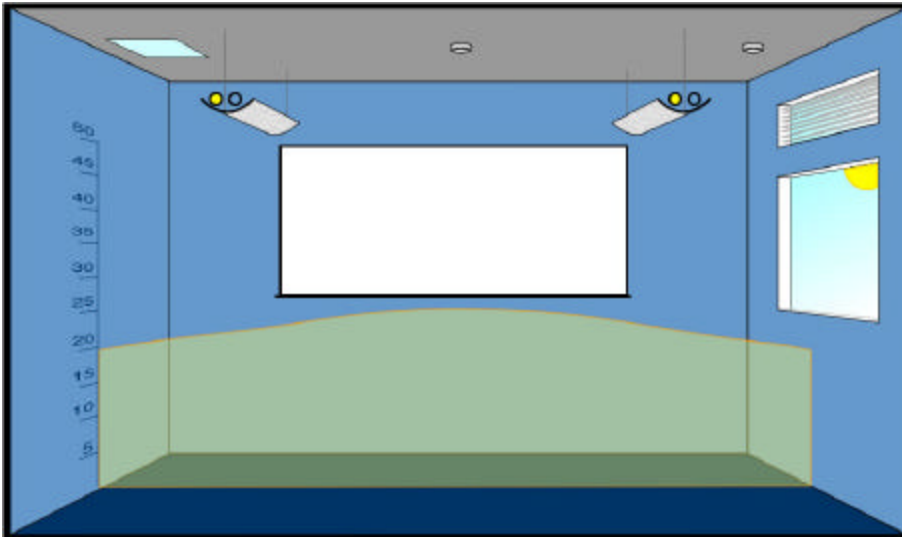


2 lamp, T8 OO-OX

Average

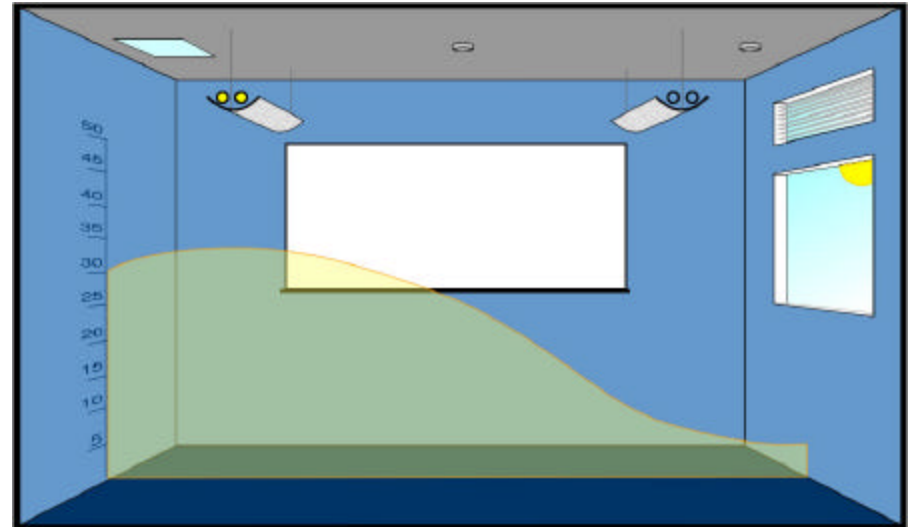
Illuminance: 34 FC

Lighting Control Systems: T8 Stepped Control



2 lamp, T8 OX-OX

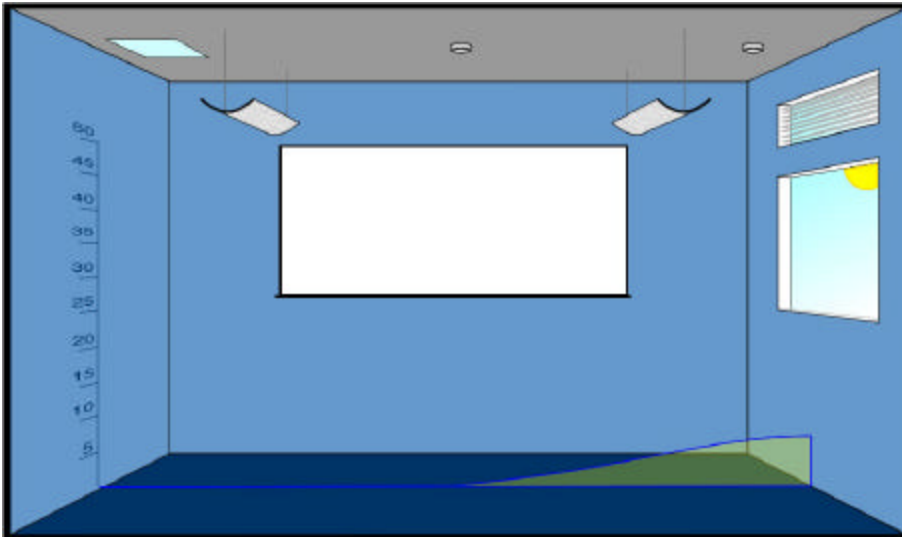
Average
Illuminance: 22 FC



2 lamp, T8 OO-XX

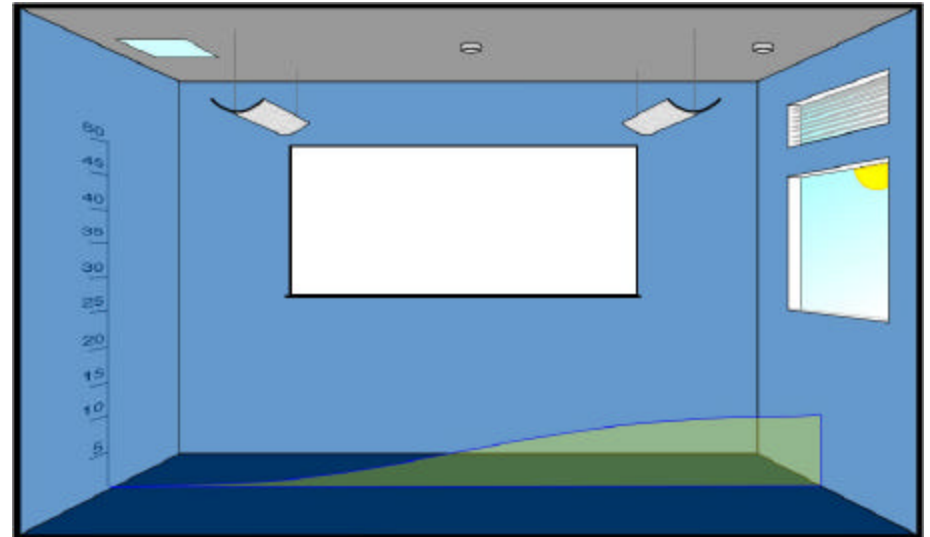
Average
Illuminance: 23 FC

Daylight Contribution



8:00 am

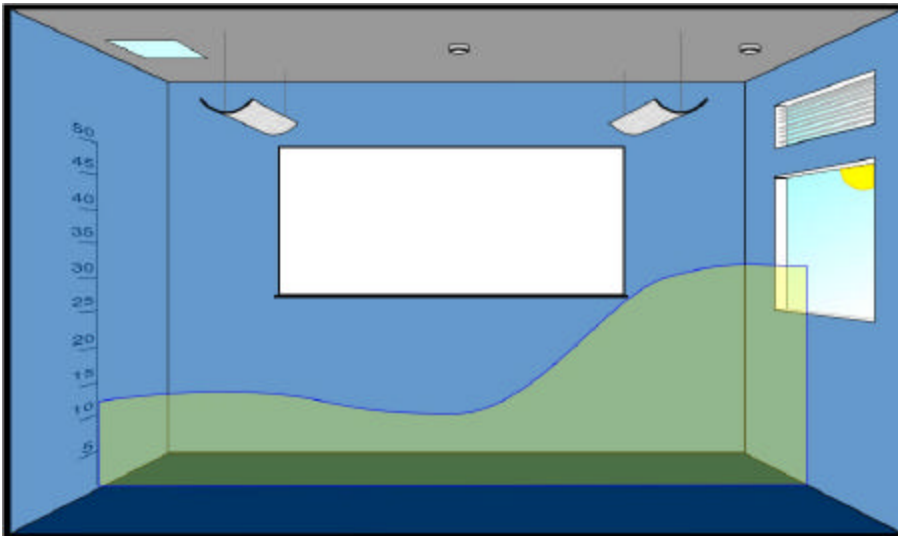
Maximum
Illuminance: 5 FC



10:00 am

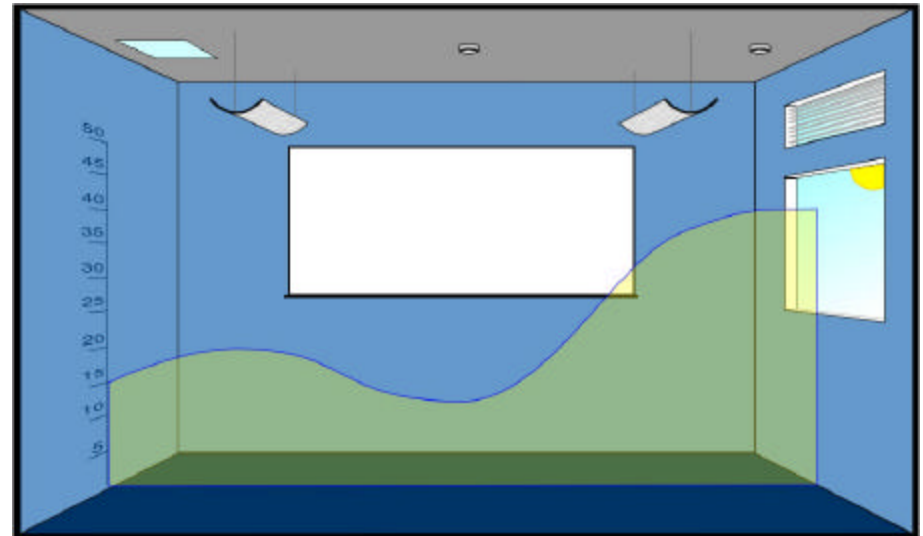
Maximum
Illuminance: 10 FC

Daylight Contribution



12:00 pm

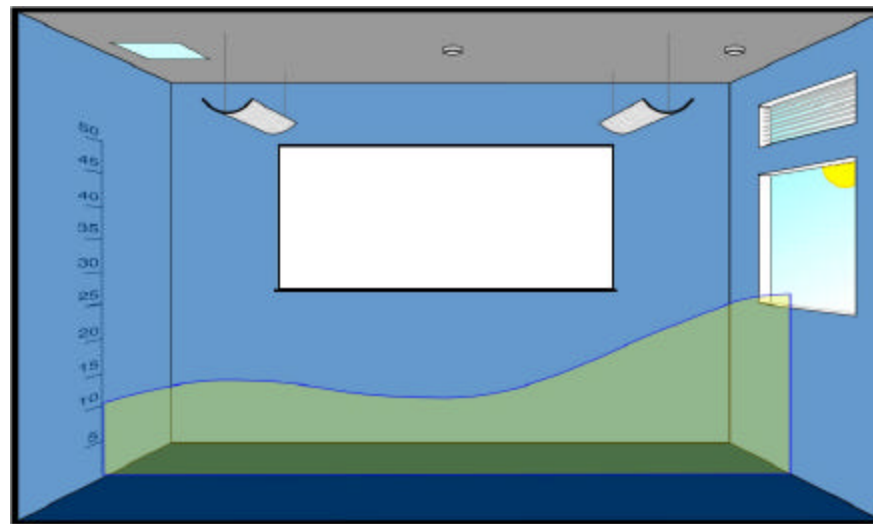
Maximum
Illuminance: 36 FC



2:00 pm

Maximum
Illuminance: 40 FC

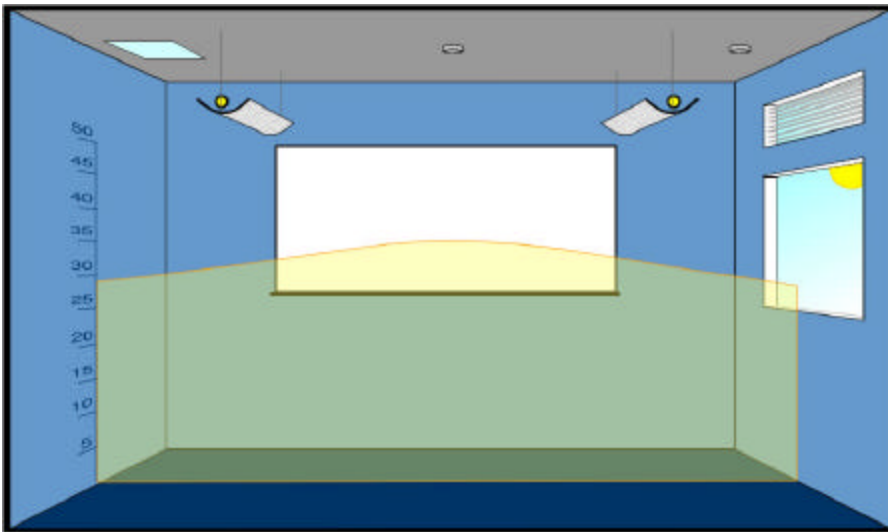
Daylight Contribution



4:00 pm

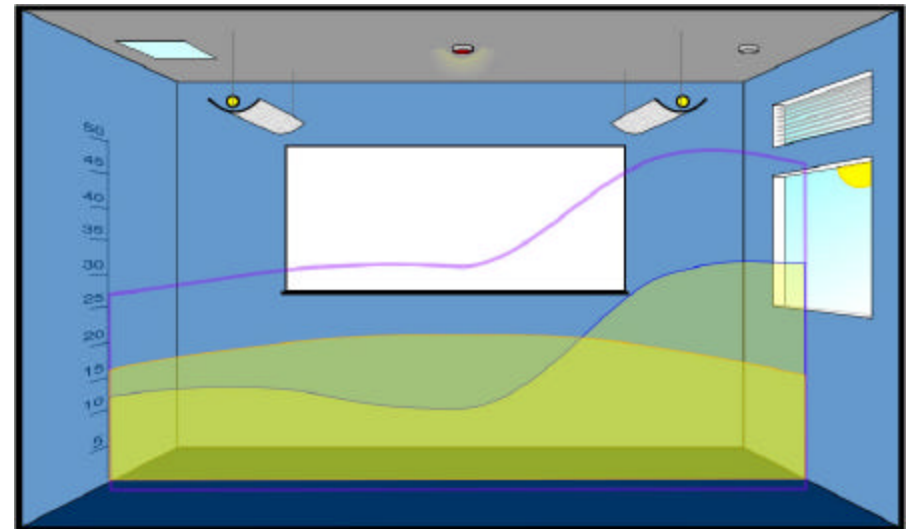
Maximum
Illuminance: 25 FC

Integrated Daylighting: T5 HO



T5 HO - full on

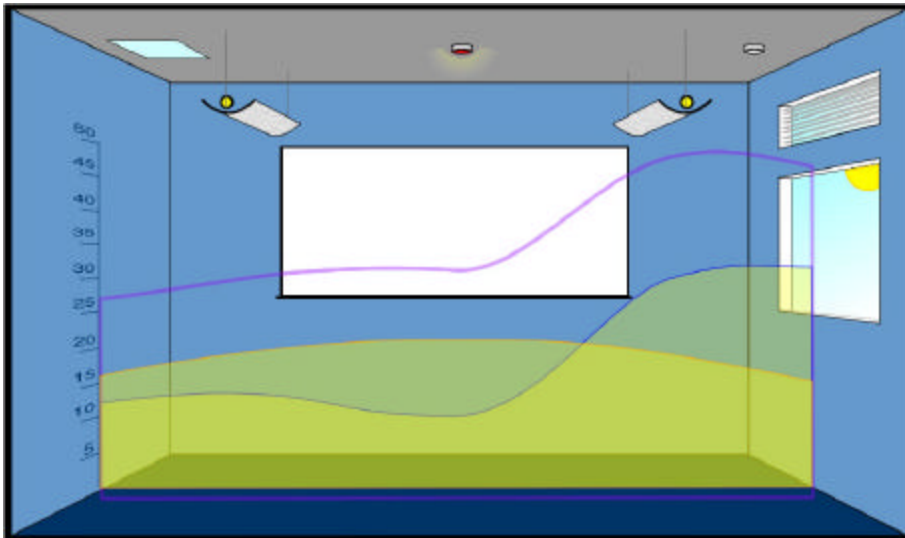
Maximum
Illuminance: 33 FC



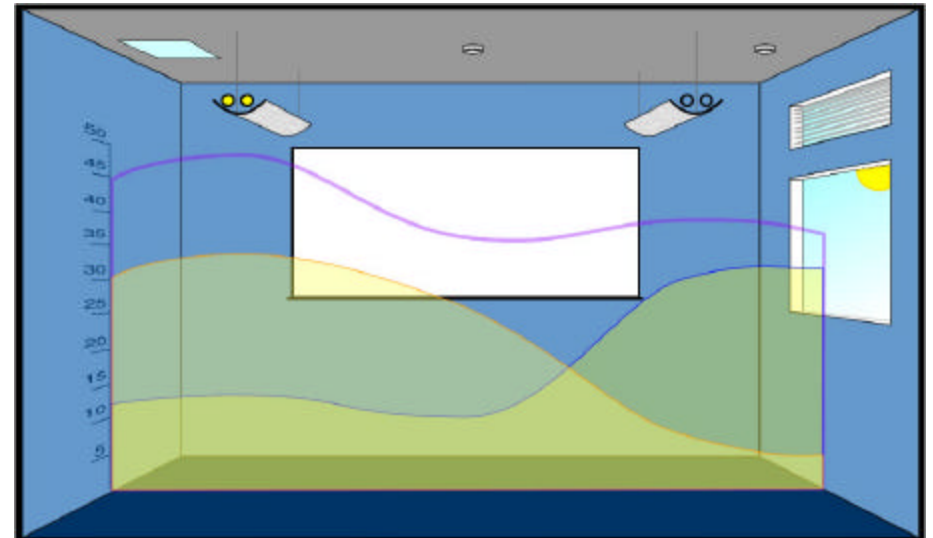
12:00 pm

T5 HO - 50% Dimming
Average Illuminance: 40 FC

Integrated Daylighting: T5 HO and T8 Stepped



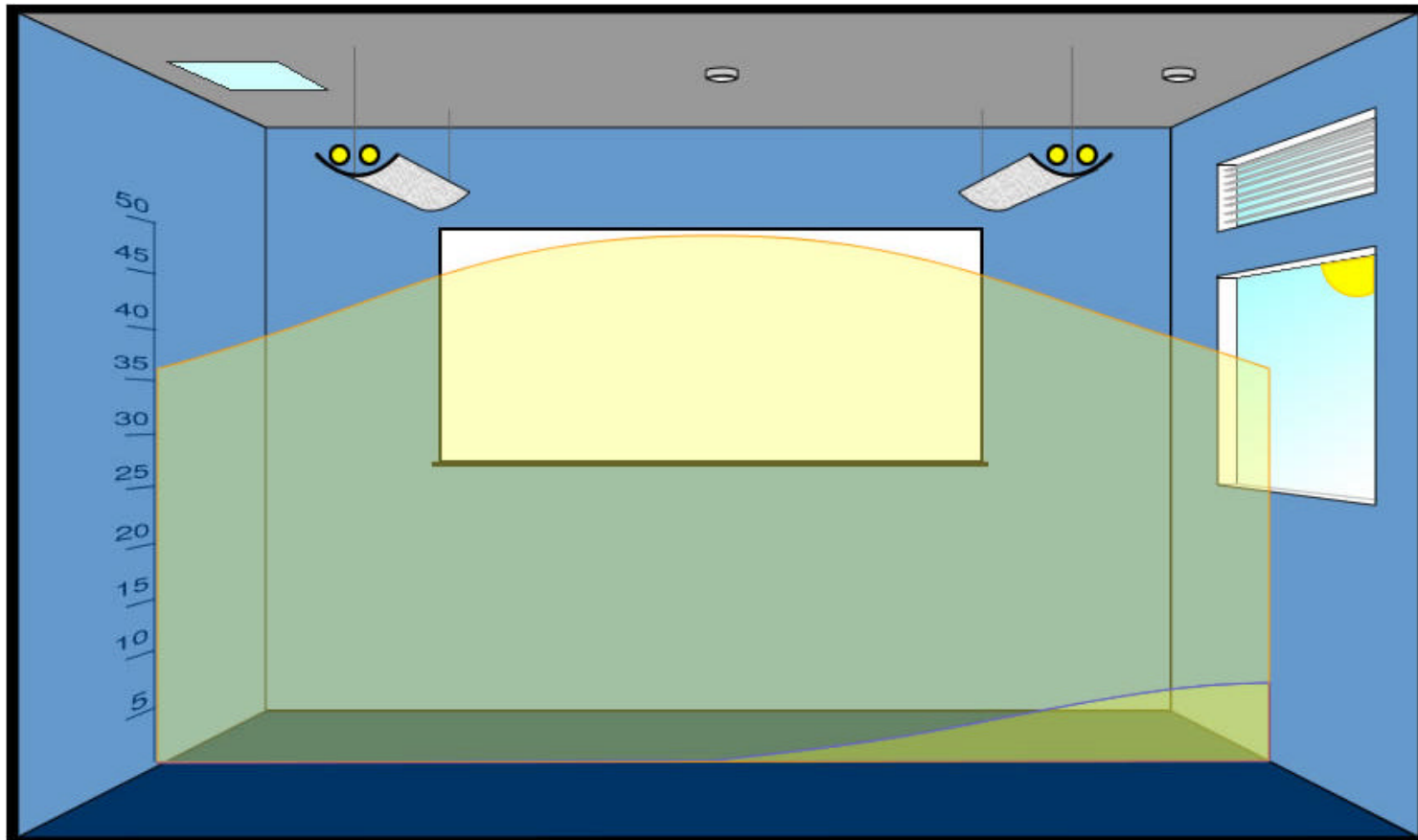
T5 HO - 50%



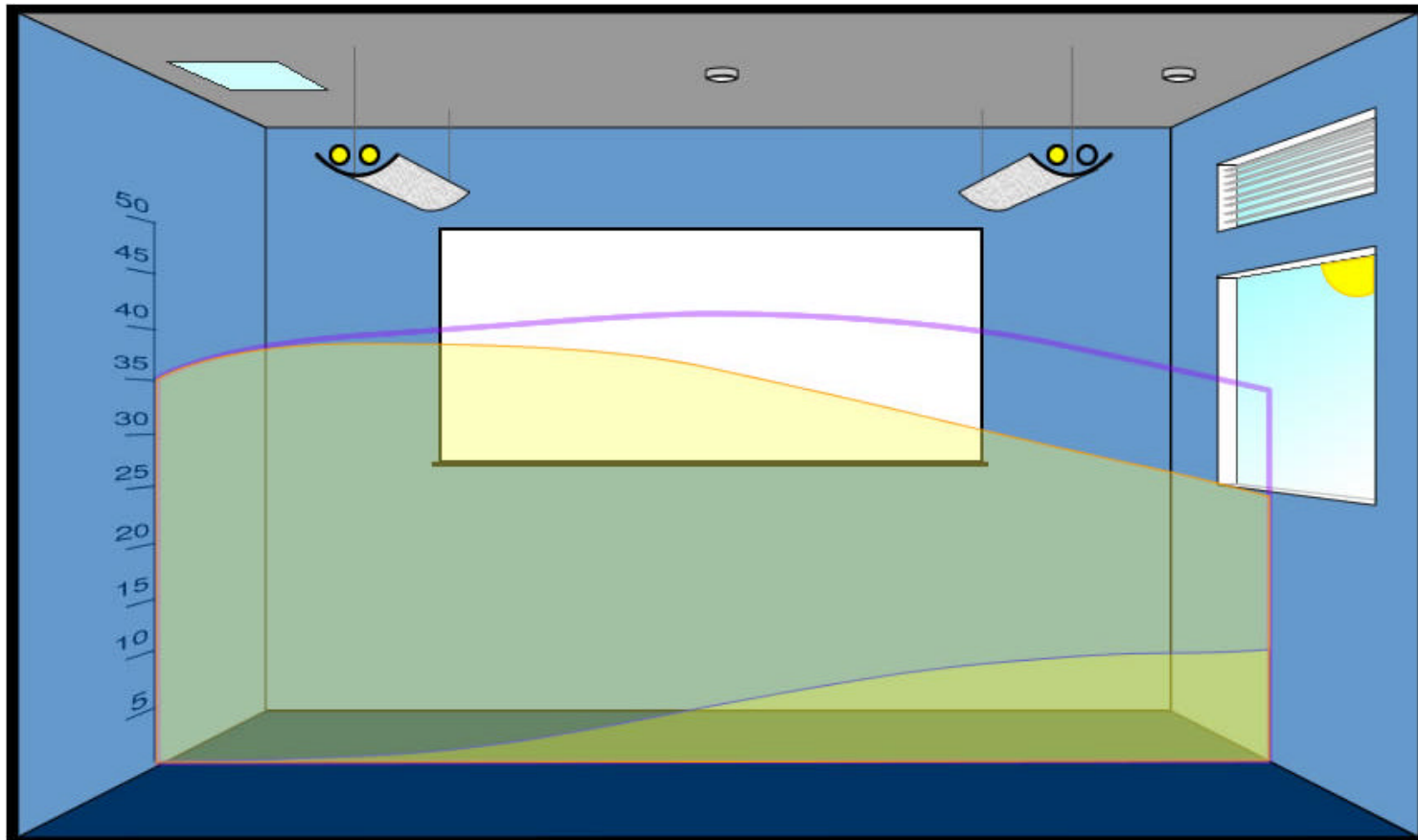
T8 00-XX

12:00 pm

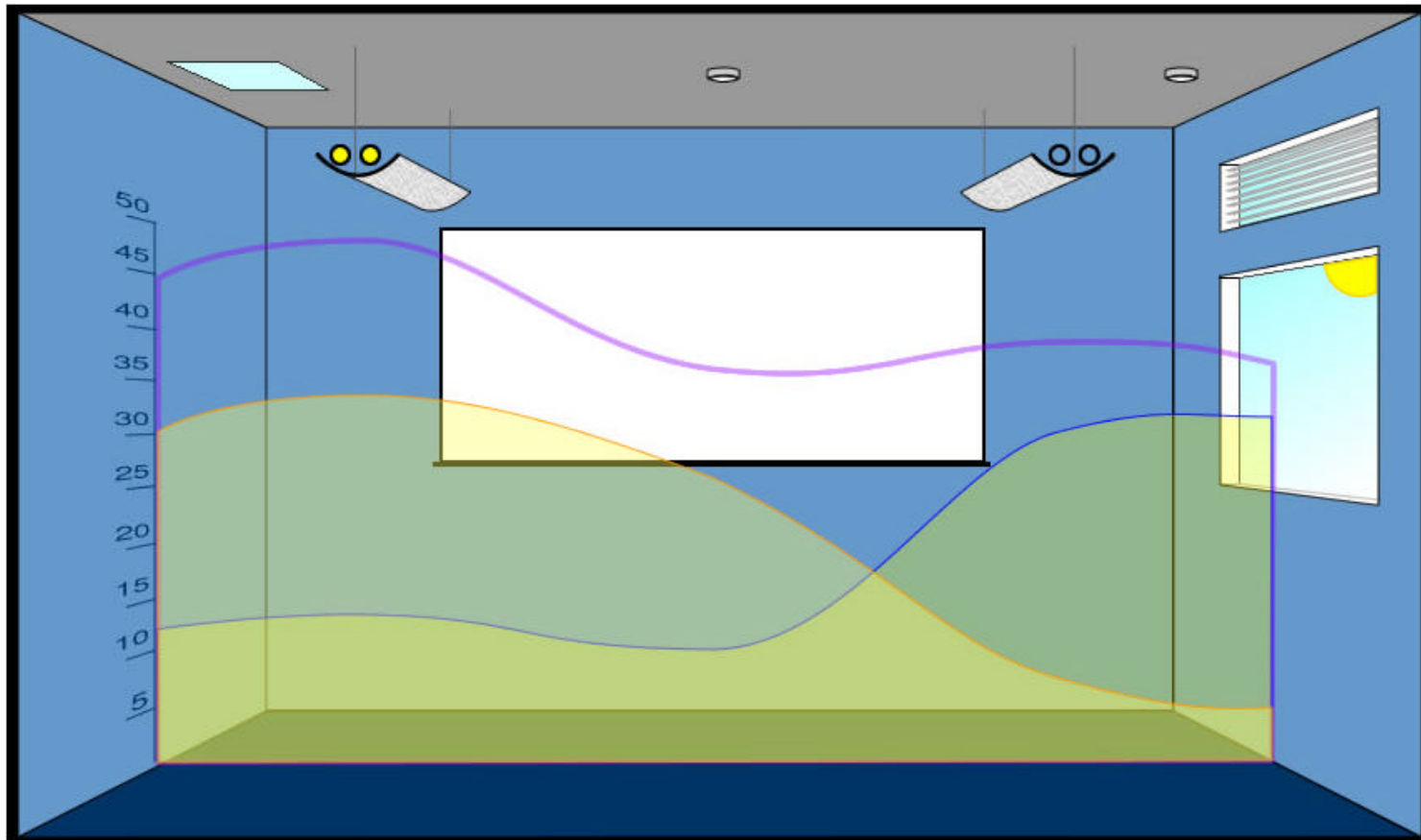
T8 Stepped Control 8 a.m.



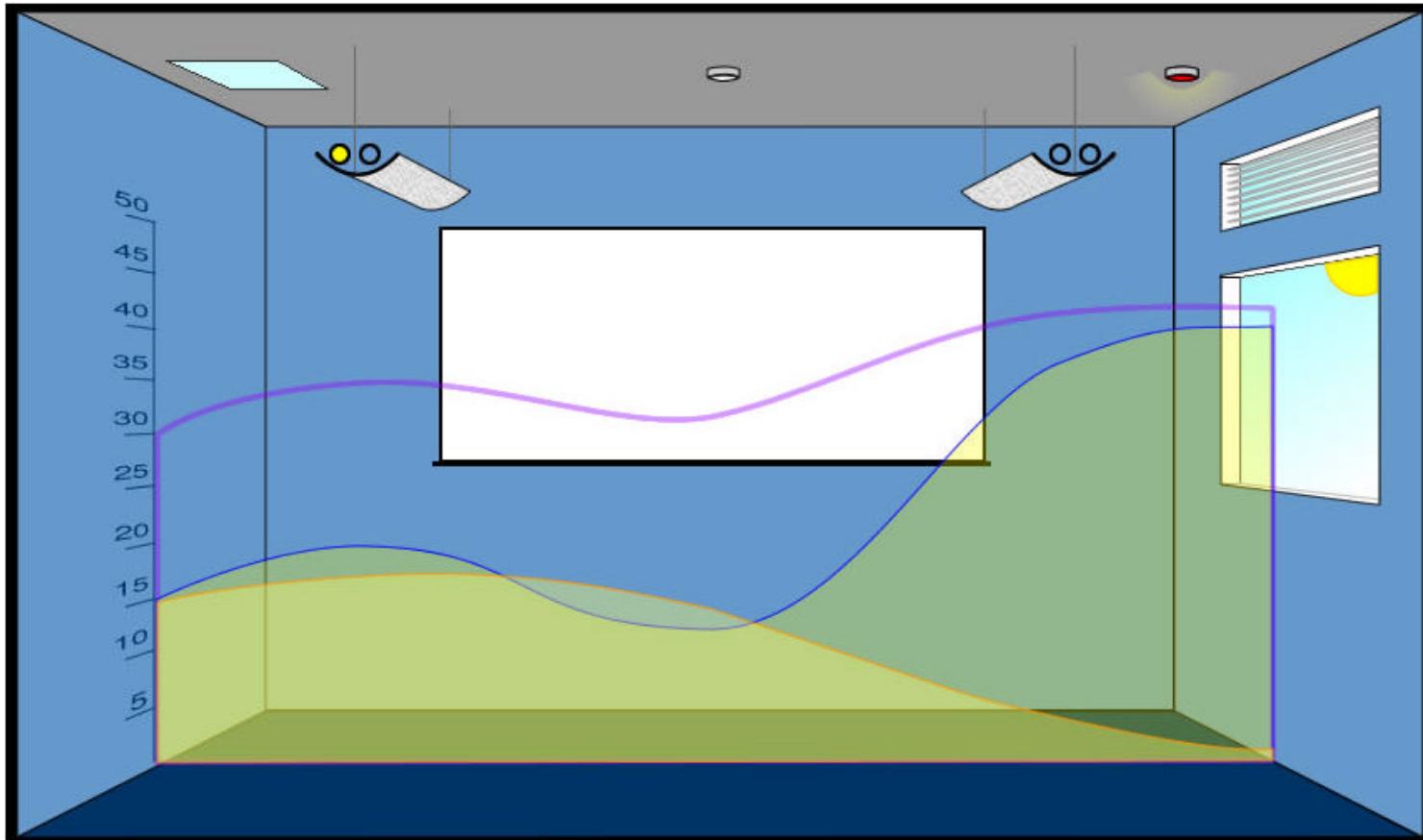
T8 Stepped Control 10 a.m.



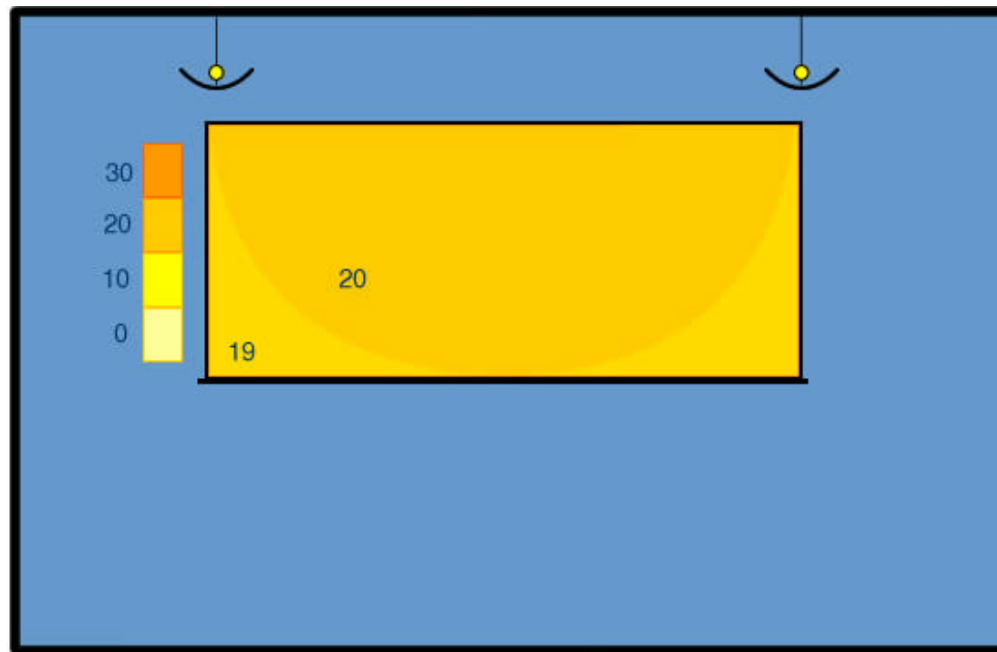
T8 Stepped Control Noon



T8 Stepped Control 2 p.m.



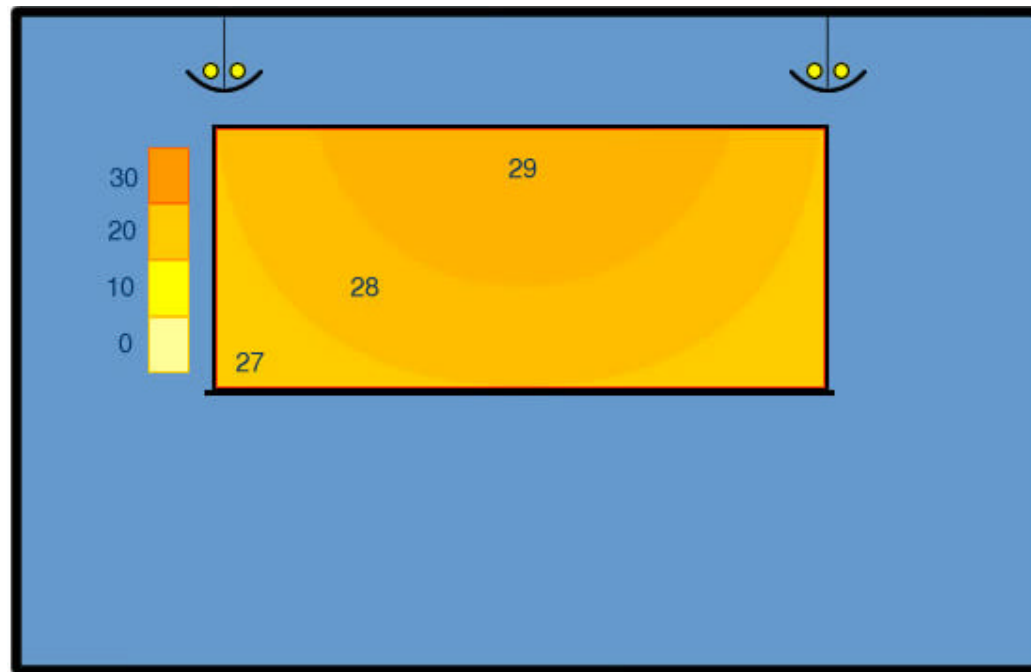
Whiteboard Illuminance



T-5 HO Light Only
(daylighting not included)

Maximum
Illuminance: 20 FC

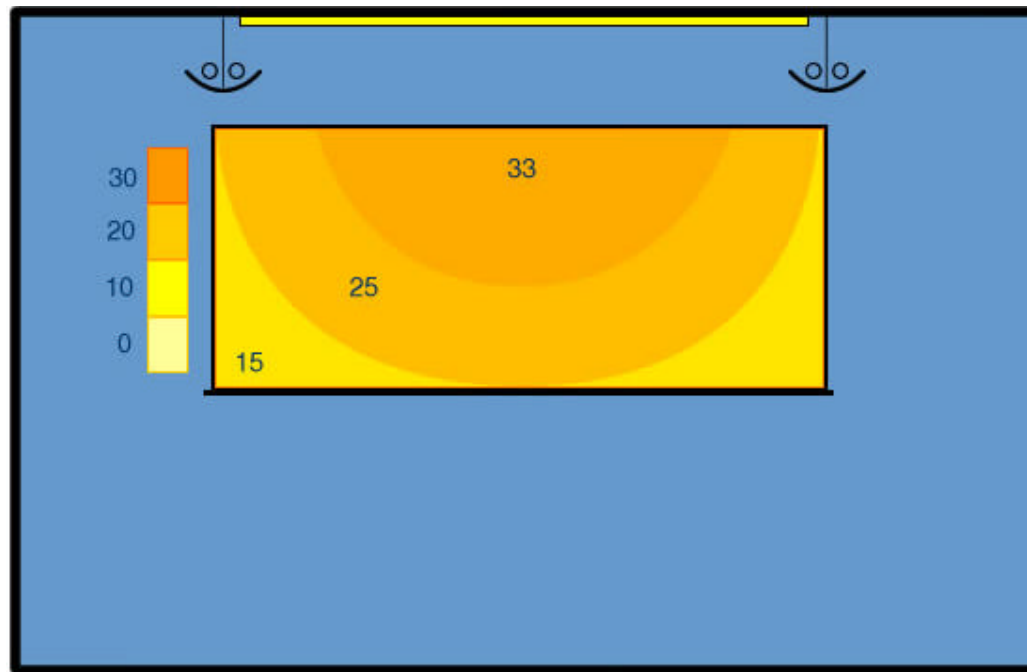
Whiteboard Illuminance



T-8 Lighting Only
(daylighting not included)

Maximum
Illuminance: 29 FC

Whiteboard Illuminance



Whiteboard Light Only
(daylighting not included)

Maximum Illuminance:
33 FC

Decision Matrix

Issues	T-5 HO Dimming	T-8 Stepped
Initial Cost	high	moderate
Acceptability	high	moderate
Maintenance/Operation	moderate	moderate
Commissioning	low to medium	med to high
Energy Use	low	low to med